

Diesel PM Agricultural Working Group – Small Group
Follow-up on Action Item #3 From the March 11, 2003 Meeting

**Proposal for Incorporating Requirements for New Agricultural Engines Into
the Air Resources Board's Proposed Air Toxic Control Measures for New
and In-use Stationary Compression Ignition Engines**

Attached are the proposed air toxic control measures (ATCM) for new and in-use stationary compression ignition engines. There are two proposed ATCMs, one that applies to engines with horsepower greater than 50 (ATCM >50) and another that applies to engines with horsepower less than or equal to 50 (ATCM ≤ 50). Revisions have been made to include proposed requirements for new stationary diesel-fueled agricultural engines. These revisions are indicated either by underline for new regulatory language or ~~strikeout~~ for regulatory language that has been eliminated. Besides the attached proposed regulatory language, the key elements of the proposed ATCMs are summarized below in a question and answer format.

What agricultural engines would be subject to the ATCM?

The diesel engine exhaust emission requirements identified in the ATCM would apply to **new stationary** diesel CI engines sold to, purchased for, or operated in agricultural operations after the effective date of the ATCM. All sizes of stationary engines used in agricultural applications would be subject to the ATCM. The ATCM would not apply to portable or mobile diesel engines or equipment.

What constitutes a “new” agricultural engine?

A “new” engine is one purchased, installed, or relocated from an offsite location after the effective date of the ATCM. The proposal does allow you to move engines from one piece of property to another provided the agricultural operation is under common ownership (see the definition of “new agricultural CI engine” in ATCM > 50 hp – pg. 9 and ATCM ≤ 50 hp – pg. 4). A special provision has also been proposed to allow engines funded through State and federal incentive funding programs to be sold as “new” until January 1, 2008 (see ATCM > 50 hp – pg. 5).

What performance standards will new stationary agricultural engines have to meet?

For engines greater than 50 horsepower, the engine must:

- Meet 0.15 g/bhp-hr diesel particulate matter (PM) limit or applicable model year PM limit per Off-road Compression Ignition Engine Regulation, whichever is lower, and
- Meet applicable model year NMHC + NO_x, and CO limits per Off-road Compression Ignition Engine Regulation (see ATCM >50 hp - pg. 16).

For engines less than or equal to 50 horsepower, the engine must:

- Meet applicable model year PM, NMHC + NO_x, and CO limits per Off-road Compression Ignition Engine Regulation (see ATCM ≤ 50 hp – pg. 6).

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When would the ATCM become effective?

The effective date of the requirements will be based on the date of approval by California's Office of Administrative Law and subsequent implementation by the air pollution control and air quality management districts. We anticipate the implementation of the ATCM in the July 2004 timeframe.

Are there fuel requirements?

Yes, owners and operators of new stationary diesel-fueled engines greater than 50 horsepower must use California Air Resources Board on-road diesel fuel or other clean fuels (see ATCM >50 hp – pg. 12).

Are there reporting requirements?

Yes, the majority of the reporting requirements apply to dealers selling stationary diesel-fueled engines with one exception. Dealers are required to report information on the engines sold such as information about the purchaser, information about the numbers of engines sold, and some specific information about those engines. The exception to this is that, if a private party sells a previously owned engine that was funded through State or federal funding incentive programs, they would need to report to the Air Resources Board (see ATCM > 50hp – pg. 23 and ATCM ≤ 50 hp – pg. 7).

If you have any questions or comments about these documents, please contact Kirk Rosenkranz at (916) 327-7843 or send Kirk an e-mail at krosenkr@arb.ca.gov.